## INTERNATIONAL SEARCH REPORT

International application No. PCT/SE 2004/001032

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: G01J 1/42, B60H 1/00
According to International Patent Classification (IPC) or to both national classification and IPC

#### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: G01J, G01S, B60H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

## SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

### EPO-INTERNAL, WPI

# C. DOCUMENTS CONSIDERED TO BE RELEVANT

	TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Polyment
Y	US 6084228 A (J.W.HILL ET AL), 4 July 2000 (04.07.2000), column 1, line 10 - line 48, figures 2,3, abstract	Relevant to claim No
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Y	US 4804832 A (L.V.GARDNER), 14 February 1989 (14.02.1989), column 4, line 20 - line 31, figure 5	1-2,4-8,12, 14,15,19,20
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	EP 0625692 A1 (NIPPONDENSO CO.,LTD.), 23 November 1994 (23.11.1994), page 16, line 37 - line 39, figure 58	3,9,10,11, 12,13,16
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X Further documents are listed in the				
Y Further documents are listed in the continuation of Bo	ox C. X See patent family annex.			
special categories of cited documents:				
"A" document defining the general state of the art which is not considered to be of particular relevance	date and not in conflict with the application but cited to understand the principle or theory underlying the inner the cited to understand			
"E" earlier application or patent but published on or after the international filing date	the principle or theory underlying the invention			
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	considered novel or cannot be considered invention cannot be step when the document is taken alone			
O' document referring to an oral disclosure, use, exhibition or other means	"Y" document of particular relevance: the claimed invention cannot be considered to involve an invention of the considered to involve an invention of the considered to the consi			
"P" document published prior to the international filing date but later than the priority date claimed	n being obvious to a person skilled in the art			
Date of the actual completion of the international search	"&" document member of the same patent family			
22 Sept 2004	Date of mailing of the international search report 2 8 -09- 2004			
Name and mailing address of the ISA/ Swedish Patent Office	Authorized officer			
Box 5055, S-102 42 STOCKHOLM  Facsimile No. +46 8 666 02 86	Sture Elnäs/itw			
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A		1-16,19-20.				
A	DE 3144823 A1 (E.S.GMBH OPTIK ELEKTRONIK), 26 May 1983 (26.05.1983), figure 7	1-20				
A	WO 9924951 A1 (CONTROL DELITORS THE )					
	WO 9924951 A1 (CONTROL DEVICES, INC.), 20 May 1999 (20.05.1999), page 6, line 20 - line 24, abstract	1-20				
A	US 6396040 B1 (J.W.HILL), 28 May 2002	1-20				
	(28.05.2002), abstract					
A	US 3293440 A (R.K.MUELLER), 20 December 1966 (20.12.1966), figures 1,3	1-20				
<b>A</b> .	US 5264691 A (HEGYI), 23 November 1993 (23.11.1993), column 3, line 12 - line 22; column 5, line 9 - line 22	1-20				
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